

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
8 January 2004 (08.01.2004)

PCT

(10) International Publication Number  
**WO 2004/004274 A1**

(51) International Patent Classification<sup>7</sup>: **H04L 29/06**,  
12/14, H04M 15/00, H04Q 7/38

(21) International Application Number:  
PCT/IB2002/002423

(22) International Filing Date: 26 June 2002 (26.06.2002)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **NOKIA CORPORATION** [FI/FI]; Keilalahdentie, FIN-02150 Espoo (FI).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **RAJANIEMI, Jaakko** [FI/FI]; Lapinrinne 2 A 11, FIN-00180 Helsinki (FI).

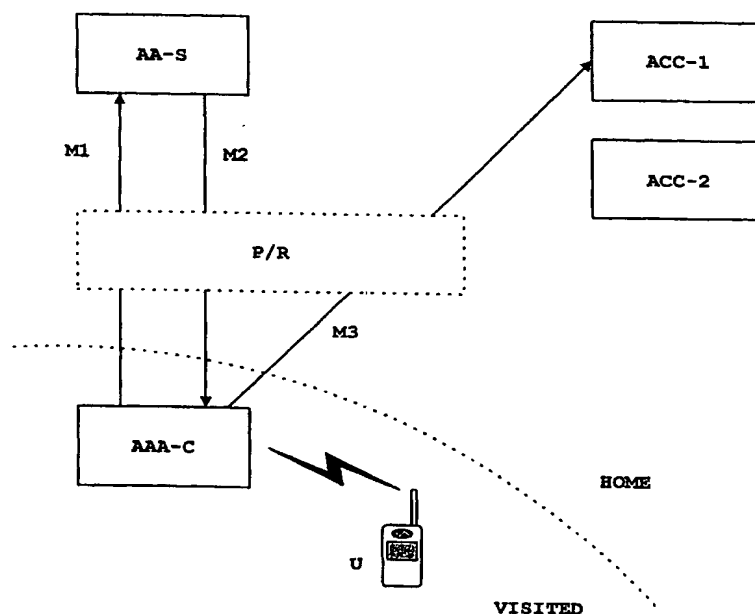
(74) Agents: **LESON, Thomas, Johannes, Alois et al.**; TBK Patent, Bavariaring 4-6, 80336 München (DE).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SEPARATE ACCOUNTING SERVER



(57) **Abstract:** A method of providing an accounting service in a mobile communication system, comprising the steps of: accessing (M1, M2) a chargeable functionality of said communication system by a user (U), by authenticating said user (U) by an authentication/authorization server (AA-S), and authorizing said access of said user (U) by said authentication/authorization server (AA-S); and indicating (M2) an accounting server (ACC-1) for the user (U) by said authentication/authorization server (AA-S), wherein said accounting server (ACC-1) is physically separated from said authentication/authorization server (AA-S).